



# CDM/ISEA WORKSHOP

Report out for FLSIC  
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# Background

- The Navy community felt that the CM process was broken
  - Dated CM policy
  - Too many CM data elements
  - Validation Redundancies
  - Lack of CM process standardization
    - New technologies (NDE)
    - Budget constraints
  - Lack of CM process education
  - Lack of Communication between CDMs and ISEAs
- SEA 04L5 made the decision to bring together CDMs and ISEAs to resolve some of the community CM concerns

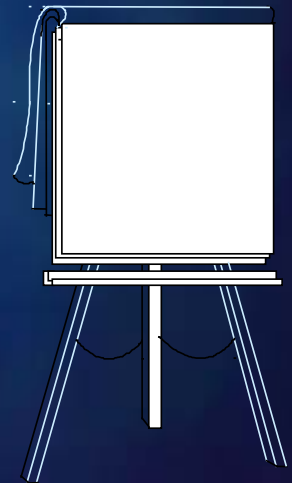
# Background (cont.)

The CDM/ISEA working group was formed to provide a forum for technical experts from various Configuration Management disciplines to improve Fleet readiness through:

1. Development of a streamlined and standardized CM process
2. Joint issue identification and resolution
3. CM process redundancy elimination
4. Improved communication and training
5. Establishing and maintaining qualified CM specialists

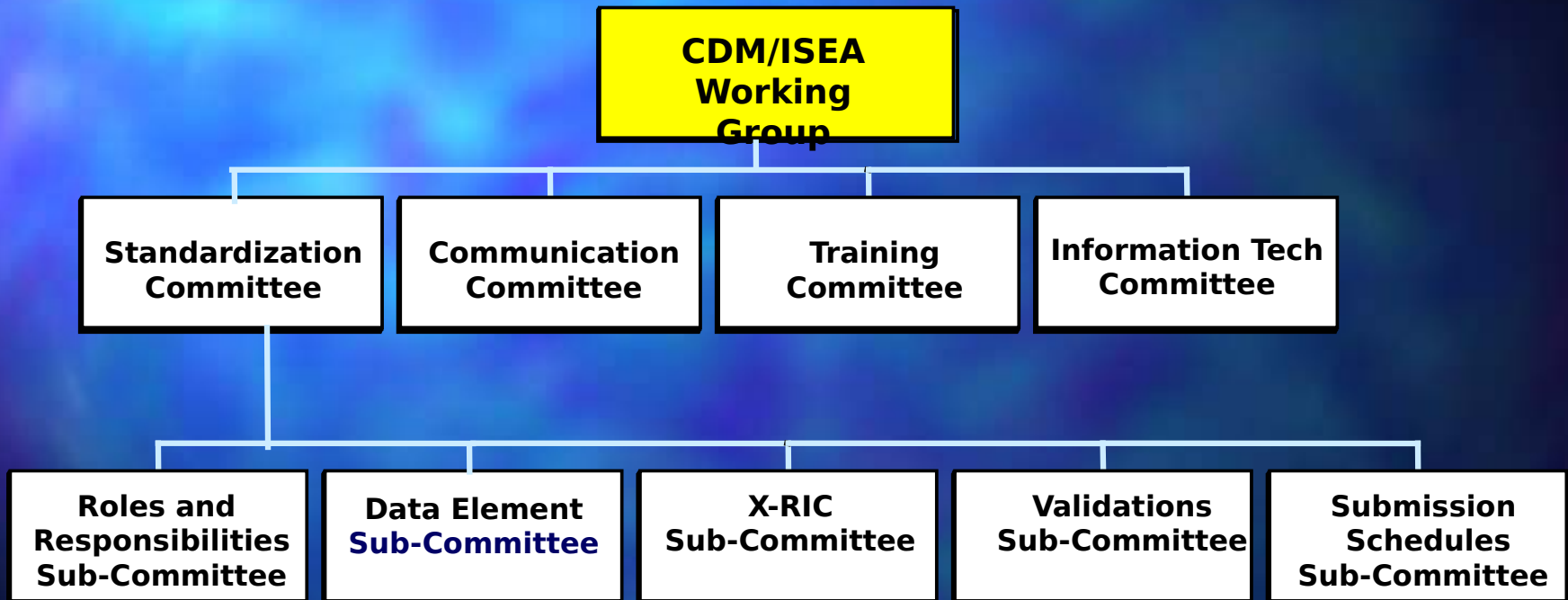
# CDM/ISEA Initiative

- Individual action teams were established to address and resolve CM related issues
  - Identify, document and assess existing CM Processes to facilitate process improvements
  - Improve Fleet readiness by implementing minimum standards for all activities and functions related to the Configuration Management process
- Committees
  - Standardization
    - Roles/Responsibilities, Data Elements, XRICs, Validations, Submission schedules
  - Communication
  - Training
  - Information Technologies





# CDM/ISEA Organizational Structure



# STANDARDIZATION

## ROLES AND RESPONSIBILITIES

### TASKS

- Develop matrix of CDM and ISEA job functions to determine duplication
- Standardize DC4/DBR process within CDMD-OA
- Formulate a standardized operating procedure for ISEA CDMD-OA work file submission
- Develop a standard operating procedure for initialization and maintenance of new ships/sites

### TEAM LEADS

- CDM TEAM LEAD - NSW/CDD
- ISEA TEAM LEAD-SPAWAR

# STANDARDIZATION DATA ELEMENT REQUIREMENTS

## TASKS

- Identify all data elements currently required in CDMD-OA
- Review requirements for all identified data elements
- Prepare a revised draft data element dictionary

## TEAM LEADS

- CDM TEAM LEAD-BIW
- ISEA TEAM LEAD-NSWC CRANE

# STANDARDIZATION X-RICS

## TASKS

- Develop standard rules for X-RIC assignments both generic and specific
- Formulate a plan and schedule to clean up existing X-RIC file
- Obtain APL pattern file/category types and APL worthiness rules from NAVICP
- Obtain minimum requirements for APL assignments from NAVICP
- Create all generic type X-RICS
- Provide X-RIC tracker module requirements to IT group

## TEAM LEADS

- CDM TEAM LEAD-PSNSY
- CO-LEAD-NSLC DET PAC



# STANDARDIZATION VALIDATIONS

## TASKS

- Define standard definitions of validations
- Identify data to be validated and value added metrics
- Identify organizations and POCs for all validation efforts
- Standardize validation candidates selection process
- Standardize validation tools
- Streamline validation process

## TEAM LEAD

- ILOLANT

# STANDARDIZATION SUBMISSION SCHEDULES

## TASKS

- Timeframes (consider Battle Group Interoperability (BGI) efforts)
- Standardize by type of activity
- Standardize Work File naming convention
  - COP
  - Maintenance
  - Validations-i.e. TARGET, CSSR, VCL
- Standardize New Construction and life cycle data requirements

## TEAM LEADS

- CDM TEAM LEAD-PSNSY
- ISEA TEAM LEAD-SPAWAR

# COMMUNICATION

## TASKS

- Identify in CDMD-OA originator of Work File Records
- Develop a method for incorporation of remarks at the record level to enhance communications between CDM and ISEA
- Develop a method for feedback to ships from CDMs at the record level
- Develop a list of CDM and ISEA POCs. Work with the Anchor desk to share data and avoid duplication

## TEAM LEADS

- LEAD CDM - INGALLS
- LEAD ISEA - NSWC PHD DET LOUISVILLE



# TRAINING

## TASKS

- Post Configuration and Logistics Training Guide to web-site
- Review and add significant revisions to CDMD-OA web-site
- Complete desk guides-Student and Instructor
- CDMD-OA Training
  - New business rules training
- Establish curriculum and conduct Train the Trainer course
  - Establish National Training Sites
- Develop and approve Ships' Configuration and Maintenance Course
- Establish curriculum and conduct CDM Work File processing course
- Export the SCMC course to NSCS (Athens, GA)

## TEAM LEADS

- CDM TEAM LEAD-NSLC JAX
- ISEA TEAM LEAD-NSWC PHD





# IT TOOLS

## TASKS

- Develop a submission form to request changes in software applications
- Evaluate slow performance of CDMD-OA at various sites and provide recommendation of changes
- Define requirements for new R-9 trigger to correct problems associated with DISI code
- Define web page functions to enhance communications within CDM/ISEA working group and community

## TEAM LEAD

- NSLC DET PAC - LEAD

# What have we accomplished

- CDM/ISEA Working Group web-site has been established
  - <http://www.nslc.navsea.navy.mil/cdm/index.nsf>
- New Cluster Sun 6500 Central Servers stood up Feb 2000 -Central PAC to enhance CDMD-OA performance and response time
- Change Request for R-9 Trigger/DISI/ISC/ASC program updates have been submitted and are currently being tested. (SEA 04L55 will address separately)
- Submission form to request changes in software applications has been developed
- Training-46 Scheduled Classes for this FY (19 classes completed)
- Developed '*Train the Trainer*' material and conducted first course in Nov 99
  - 12 Certified Trainers, four scheduled to certify within next few months

# What have we accomplished (cont.)

- Developed a ISEA/SCLSIS data flow and shipboard system familiarization course and conducted two pilot courses.
- Current training materials, schedules and training sites are posted on the [www.cdmd.navy.mil](http://www.cdmd.navy.mil) web-site
- Reviewed CDMD-OA Data elements for potential removal of unnecessary or redundant requirements. Team recommendations will be briefed by BIW CDM.
- CDM Roles and responsibilities have been defined by the Standardization team. Once the ISEA responsibilities/functions are determined, Team will review for redundancies in an effort to streamline CM processes
- X-RIC characteristic data is now flowing to the ship (SNAP/OMMS) via ASI.



# What have we accomplished (cont.)

- Enhancements to the current CDMD-OA X-RIC tracker have been identified and submitted for analysis. X-RIC Specific assignment rules have been submitted and approved by CDMD-OA CCB. The Generic X-RIC Nomenclatures have been developed and are pending load into the X-RIC table by NSLC MECH. A POA&M to clean up the existing X-RIC file is under development by the X-RIC Action Team.
- Feedback to the ships from the CDMs at the record level has been implemented through a report that accompanies each ASI extraction.
- CDM specific Point of Contact information is now available on the CDMD web-site.
- Validation value-added metrics proposal has been developed. BIW and Ingalls have agreed to provide data to prototype the proposed metrics for measuring impact on allowance effectiveness.



# What have we accomplished (cont.)

- The Validation Action Team has identified validation organizations, is developing and categorizing current validation efforts and timelines of when validations are performed. In addition, the action team has developed a Validation/VSAC matrix.
- Criteria for VSAC second position assignment (to further refine validation record selection) has been defined and is being reviewed by SEA 04L5. Once approved, policy will be updated as appropriate. Current validation efforts have been classified into three categories: Installation related validations, operational inspection/groom and configuration maintenance. Agreement was reached as to what data elements constitute validations for these three categories.

# In Summary

- CDMs, ISEAs and other Commands involved with shipboard Configuration Management are communicating and working together as a team to identify, research and resolve major CM issues using common tools and scheduling techniques
- This results oriented group will help define future improvements to CM policies, processes and tools
- CDM/ISEA group will continue to take action items and report out at the FLSIC for CM related issues
- Recommended solutions resulting from this working group will be forwarded to the Navy community for review, approval and implementation